

WHAT IS CLAIMED IS:

1. An adapter for a scanning system, comprising:
  - a media roll mount operable to hold a roll of media;
  - a media gatherer operable to hold an end of the media;
  - 5 an adapter body operable to house at least an exposed portion of the media between the media roll mount and the media gatherer; and
  - a media feed mechanism operable to perform a first feed operation including forwarding a predefined length of the media onto the media gatherer, the media feed mechanism operable to perform one or more subsequent feed operations to allow scanning of the entire roll of media.
- 10 2. The adapter according to claim 1, further comprising:
  - a lamp; and
  - a translucent panel on a bottom surface of the adapter body, the exposed portion being disposed between the lamp and the panel.
- 15 3. The adapter according to claim 1, further comprising a communication interface with a scanner, the scanner having a communication interface with a computer, the adapter operable to transmit and receive communications with the scanner and the computer.
- 20 4. The adapter according to claim 3, wherein the adapter is operable to transmit a signal to the computer upon completion of each of the feed operations.
- 25 5. The adapter according to claim 3, further comprising:
  - a lamp; and
  - a translucent panel on a bottom surface of the adapter body, the exposed portion being disposed between the lamp and the panel, the adapter operable to activate and deactivate the lamp upon command of the computer.

6. The adapter according to claim 1, further comprising a magnetic read head operable to read embedded data on the roll of media.

7. The adapter according to claim 1, further comprising a magnetic write head operable to write data on the roll of media.

8. A method of scanning images on a media, comprising:  
exposing a first portion having a predefined length of the media to an illumination source;  
impinging light on the first portion of the media;  
advancing the media by the predefined length to expose a subsequent portion having the predefined length of the media to the illumination source; and  
repeating the light impinging and media advancing steps.

9. The method according to claim 8, wherein exposing a first portion of the transparent media comprises exposing a first portion of a roll of photographic negatives.

10. The method according to claim 9, wherein impinging light on the first portion of the media further comprises transmitting light from the illumination source onto the first portion, the light transmitted onto the first portion passing therethrough, the illumination source disposed within an adapter containing the media.

11. The method according to claim 8, further comprising converting the light impinging on each exposed portion of the transparent media into electric signals.

12. The method according to claim 8, further comprising:  
displacing a carriage supporting the photosensitive device receiving the impinging light from a home position to a second position; and  
returning the carriage to the home position prior to receiving light through the subsequent portion.

13. The method according to claim 12, wherein advancing the media by the predefined length comprises advancing the media by a length substantially equivalent to the combined length of an integer number of image frames.

5           14. The method according to claim 8, wherein impinging light on the first portion of the media further comprises reflecting light off of the first portion, the illumination source disposed within a reflective scanner, the light reflected off of the first portion radiated from the illumination source.

10           15. A scanner system for scanning an image on a media, comprising:  
a reflective scanner including a platen, a scanner lamp, an optic system and one or more photosensitive devices; and  
a media adapter including a mount operable to hold a roll of media, a gatherer operable to hold an end of the media, an adapter body operable to house at least an  
15 exposed portion of the media between the mount and the gatherer, and a media feed mechanism operable to perform a first feed operation including forwarding a predefined length of the media onto the gatherer, the media feed mechanism operable to perform one or more subsequent feed operations to allow scanning of the entire roll of media by the reflective scanner.

20           16. The system according to claim 13, wherein the scanner further includes an external peripheral interface, the system communicates with a computer connected to the scanner by the external peripheral interface, the adapter connected to the scanner by a cable, the computer having an input device for a user interaction  
25 therewith, the user initiating scanning of images on the media by providing a command to the computer, the computer directing operation of the scanner system in response to receiving the command.

30           17. The system according to claim 14, wherein the optic system and the one or more photosensitive devices are located on a carriage operable to impart a translation motion thereto, the carriage moving from a home position to a second

position while the adapter transmits light through the exposed portion of the media, the adapter transmitting a signal to the computer after performing the first feed operation, the carriage returning to the home position after reaching the second position, the computer commanding the carriage to return to the second position after receiving the signal from the adapter.

18. The system according to claim 13, wherein the media is a transparent media, the adapter further includes an adapter lamp, the scanner further includes an external peripheral interface, the system communicates with a computer connected to the scanner by the external peripheral interface, the adapter connected to the scanner by a cable, the computer having an input device for a user interaction therewith, the user initiating scanning of images on the exposed portion by providing a command to the computer, the computer directing activation of the adapter lamp and deactivation of the scanner lamp upon input of the command.

19. The system according to claim 13, wherein the media is an opaque media, the adapter further includes an adapter lamp, the scanner further includes an external peripheral interface, the system communicates with a computer connected to the scanner by the external peripheral interface, the adapter connected to the scanner by a cable, the computer having an input device for a user interaction therewith, the user initiating scanning of images on the exposed portion by providing a command to the computer, the computer directing deactivation of the adapter lamp and activation of the scanner lamp upon input of the command.